COURSE OUTLINE OUR DIGITAL EARTH

Instructor: Dr. Chris Bone Office Hours Fridays 10:00am 12:00pm and by appointmentDTB A237 Contact:<u>chrisbone@uvic.ca</u> Lecture: Mondays and Thursdays, 11:30am 2:50pm, CLE A207

Teaching Assistant: Chenoah Shine Drop-in Sessions: Wednesdays 12:00pm 1:00pm Room DTB206 Contact: cshine@uvic.ca * Please note that we only respond to emails during 8:00am to 5:00pm Mondays to Fridays

COURSE DESCRIPTION

This course introduces students to how the world of geospatial data and techno3 (c)-1 (d)2.2 (at)-2.9M2.3 (at)pr

interaction, as well as several opportunities to crowdsource data collection in order to solve geospatial problems. Lectures also provide students with training in how to use various mapping technologies in order to collect, map, analyze, and communicate data in power ways.

KEY THEME® cation-based datageospatial technologies, spatial thinking and problem solving location privacy

REQUIRED TEXANSD SOFTWARE

The required text for this course is Our Digital Earth, which is free! Links to all readings will be provided. Kritik Peer Assessment Tool (\$24); ArcGIS Online; Brightspace

LEARNINGUTCOMES

- x Define appropriate modes of spatial thinkingededfor addressinggeographical questions.
- x Collect and analyze geographic data to characterize spatial patterns of observations and spatial relationships between variables.
- x Develop mobile app to facilitate the collection of geospatial data.
- x Create web mapping applications to display spatial patterns and communicate information.
- x Utilize technology theory to develop a geospatial tool to

EVALUATION

Activity 1	=5%
Activity2	=10%
Activity 3	= 5%
Activity4	=10%
Activity 5	=10%
Activity 6	=20%
Final Project	= 20%
Final Exam	= 20%

NOTE: Students will not be given an opportunity to submit any additional work for extra grades.

GRADING SYSTEM As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
A+ A A-	9 8 7	90-100% 85-89% 80-84%	Exceptional outstanding and excellent performance. Normally achieved by a minority of students. These grades indicate a student who is self itiating, exceeds expectation and has an insight for a spectra of the subject matter.
B+ B B-	6 5 4	77-79% 73-76% 70-72%	Very good good and solid performance. Normally achieved by the largest number of students. These grades indicate a

POLICY ON LATE ASSIGNMENTS

Assignments will be accepted one day (24 hours) past the due date accompanied with a 10% late penalty. Assignments will not be accepted after this time, but students will still be able to obtain a grade if they participate the peer assessment portion of the assignment.

WEEKLY CALENDAR

WEEK	DATE	
1	September 8	Welcome
2	September 12 & 15	Location and Geotagged Data
3	September 19 & 22	GPS
4	September 26 & 29	Spatial Patterns
5	October 3 & 6	Scale
6	October 10 & 13	Remote Sensing
7	October 17 & 20	Data Wrangling
8	October 24 & 27	Story Mapping
9	October 31 & November 3	Geospatial Crisis Response
10	November 7	Final Project Brainstorming
11	November14 & 17	Spatial Analytics
12	November 21 & 24	Privacy and Security on the Geoweb
13	November 28 & December 1	Crisis Week

September 23^tLast day for adding courseOctober 3ftLast day for withdrawing from course without penalty of failure

ASSIGNMENT DEADLINES

Assignment 15(%)	Part A: Friday, September 16 @ 11:59pm	Part B: During Sept 19 Lecture		
Assignmen2 (10%)	Part A: Friday, September 23 @ 11:59pm			
Assignmenß (5%)	Part A: Friday, September 30 @ 11:59pm	Part B: During Oct 3 Lecture		
Assignment4 (10%)	Friday, October 7 @ 11:59pm			
Assignmen5 (10%)	Part A: FridayOctober 28@ 11:59pm	Part B: Durin@ct 31 Lecture		
Assignmen6 (20%)	Friday November 4@ 11:59pm			
Final Project (20%)	Part A: Wednesday, Novembert 39t 11:59pm Part B: During Week 13 Lecture			
Final Exam (20%)	During Exam Period			